

AMENDMENTS

Amendments to the Specification:

Please cancel the amendment to the specification beginning at page 3, line 12 of the Preliminary Amendment filed 3/4/04 and substitute the following amendment therefor:

Please amend the paragraph starting at page 6, line 28 and ending at page 7, line 3 as follows:

A "label" is a composition detectable by spectroscopic, photochemical, biochemical, immunochemical, or chemical means. For example, useful labels include ³²P, fluorescent dyes, electron-dense reagents, enzymes (e.g., as ~~commonly~~ commonly used in a ELISA), biotin, dioxigenin, or haptens and proteins for which antisera or monoclonal antibodies are available (e.g., the peptide of SEQ ID NO:1 can be made detectable, e.g., by incorporating a radio-label into the peptide, and used to detect antibodies specifically reactive with the peptide).

Please amend the paragraph starting at page 13, line 24 and ending at page 13, line 29 as follows:

To this chromosomal region, three cancer predisposition syndromes have also been mapped, namely, familial melanoma CMM1, modifier locus for familial adenomatous polyposis hMom1 and Michelin Tire Baby Syndrome. PTCH2 is further a candidate for the gene behind these ~~heritary~~ hereditary syndromes. The present molecules are therefore advantageously used in the context of these conditions, e.g. in therapy and/or diagnosis, such as in assays.